# EX INDEX

A A 66 В C

## INDEX TO SUBJECTS

Agricultural Marketing Act, 56-73; its coöperative features, 60, 61, 63; its experimental nature, 56-58; its objectives, 59, 63, 65; its provisions, 57, 63. See also Federal Farm Board and Legislation.

Arbitraging; as affecting prices, 96; examples of, 74-77; explanation of, 5, 6, 74; in relation to

hedging, 20; value of, 6, 76, 78.

"Basis"; control of, 148; definition of, 27; effects of, 27-30, 37, 79-82, 148; factors affecting, 29-37, 82-90, 199.

Bucket Shops; definition of, 42; exchanges opposed to, 43; methods of, 42, 43; prohibition of,

41, 42. See also Legislation.

Clearing Houses; Cotton Clearing House (Liverpool), 199, 200; for Chicago Mercantile Exchange, 134; for Liverpool Corn Trade Association, 204; for National Metal Exchange, 130, 131; for New Orleans Cotton Exchange, 171; legality of, 108, 109; Memphis Merchants Exchange Clearing Association, 173-175; New York Cocoa Clearing Association, 142; New York Coffee and Sugar Clearing Association, 113; New York Hide Clearing Association, 156, 157; protected by initial deposits, 104, 123, 130, 134, 213, 220; protected by margins, 104-107, 123, 130, 142, 213, 220; Rubber Exchange Clearing House, Inc., 122, 123. See also Margins and Clearing Systems.

Clearing Systems; advantages of, 100, 108; complete system, 103, 104; direct settlement, 100, 101; disadvantages of, 108; in France, 220, 221; in Germany, 213; in Italy, 235; in Japan, 230; offset, 103; ringing out, 101, 102; transferable notice, 102, 103. See also Clearing Houses.

Commodities Traded in; agricultural products, 56-64, 135; bean cakes, 224; burlap and jute, 158-160; butter, 133-135; chemical products, 236; Chilean nitrates, 218; coal (Italy), 236; cocoa, 140-145, 218; coffee, 110-112, 115, 116, 211, 216, 218; colonial goods (Italy), 236; cotton, 3, 23-38, 49, 50, 92, 93, 196-200, 211, 216, 218, 224, 236; cottonseed, 174, 175; cottonseed meal, 173, 174; cottonseed oil, 167-172; eggs, 133-135; fish, salted and preserved, 236; flour, 200, 218; gasoline, 218; grain, 9-22, 50-55, 65-78, 92, 93, 200-204, 211, 215, 218, 224, 235; hair, 236, 237; hides, 151, 236; linseed cake, 218; linseed oil, 218; live stock, 161-166, 237; marine manure, 224; mercury, 236; metals, 127-129, 205, 206, 211, 216, 218, 224, 236; molasses, 113; oil, 224; pepper, 218; potatoes, 133-135; provisions, 136-139; rice, 224, 235; rubber, 119–126, 206, 211, 217, 218; seeds, oil, 200, 218, 236; silk, manufactured, 236; silk, raw, 146–150, 224, 236; starch, 224; sugar, 112, 116, 211, 215, 218, 224; tallow, 200; timber, 200; wine, 236; wool (foreign), 204, 205, 218, 237; yarn, cotton, 224.

Consumption Rates; adjustment of, 5; in bituminous coal, 187; in cottonseed oil, 167; in grain, 201; in lumber, 182; in metals, 127; in petroleum, 191; in provisions, 136; in raw silk, 146; in wool, 178, 205; increased in cocoa, 140; increased in cottonseed, 173; increased in

rubber, 119, 120.

Cornering, Forestalling, and Squeezing; as affecting "basis," 90; as affecting prices, 98, 99; prevention of, 155; prohibited, 46; rice corner in Milan, 236; wheat corners, 70, 75.

Credit; assisted by hedging, 4, 20, 125, 144;

necessity for, 4.

Exchanges, Commodity; composition of, 96; contracts of various, 115-117, 121, 122, 128, 129, 141-143, 147, 148, 155, 159, 168-172, 174, 175, 181, 182, 198, 202, 204, 206, 213-217, 219, 235; essential requirements for, 146, 176-178; ethical standards of, 6, 161, 162, 203, 231, 232; forms of, in Japan, 224-226; government of various, 114, 120, 121, 131, 134, 154, 155, 163, 168, 197, 200, 202, 206, 218, 219; governmental regulation of, 39-55, 165, 166, 218, 222, 229, 231; history of, in England, 196, 200, 201; history of, in Japan, 223, 224; imperfection of, 95; in Italy, 234-237; intercommunication of, 4, 25, 94, 95, 149; international character of, 4, 25, 94, 95, 117, 118, 129, 130, 131, 132, 141, 149, 150, 159, 198, 205, 212, 237; membership of various, 115, 117, 121, 127, 131, 133, 141, 150, 151, 159, 160, 197, 200, 201, 202, 203, 205, 206, 211, 212, 218; methods of trading on, 134, 138, 139, 142-144, 160, 164, 168, 171, 198, 199, 200, 204-206, 211, 220, 227-229; newly established, in wool, 182; objectives of, 112, 120, 133, 140, 141, 154, 159, 162, 168, 174, 206, 232, 234; opposition to, 111, 158; organization of various, 111, 112, 119, 120, 127, 133, 136, 140, 141, 146, 151, 158, 159, 168, 173, 197, 201, 203; research regarding, 223; volume of trading on various, 113, 114, 135, 137, 138, 141, 150, 157. 170, 174, 196, 197, 201, 221, 227.

, Organizations; Associated London Selling Wool Brokers, 205; Baltic Mercantile and Shipping Exchange, 200; Berlin Grain Exchange, 208, 210; Bremen Cotton Exchange, 213; Chicago Board of Trade, 66, 111, 136–139, 167, 171; Chicago Live Stock Exchange, 162, 164; Chicago Mercantile Exchange, 133–135;

Cincinnati Live Stock Exchange, 162; Hamburg Coffee Exchange, 213; Hamburg Rubber Exchange, 214; Hamburg Sugar Exchange, 212; Liverpool Corn Trade Association, 203; Liverpool Cotton Exchange, 197-200; London Corn Trade Association, 200-203; London Metal Exchange, 204-206; London Rubber Exchange, 204, 206; London Wool Auctions, 204, 205; Manchester Corn and Produce Exchange, 204; Manchester Cotton Association, Ltd., 200; Memphis Merchants Exchange, 173-175; National Live Stock Exchange, 162; National Metal Exchange, 127-132; National Raw Silk Exchange, Inc., 146; New Corn Exchange (London), 204; New Orleans Cotton Exchange, 167, 171, 172; New York Burlap and Jute Exchange, 158-160; New York Cocoa Exchange, 140-145; New York Coffee and Sugar Exchange, 110-118; New York Cotton Exchange, 111, 181; New York Hide Exchange, 151-157; New York Produce Exchange, 167-170; Old Corn Exchange (London), 204; Osaka Rice Exchange, 224, 225, 226; Paris Exchange, 219; Rubber Exchange of New York, 119-126; Rubber Trade Association (London), 206; Yokohama Raw Silk Exchange, 227.

, Services of; arbitration of disputes, 114, 141, 144, 155, 162, 198, 199, 200, 203, 206; control of business practices, 5, 6, 114, 115, 121, 141, 148, 161, 162, 172, 174, 203, 213, 214; control of competition, 6; control of contract forms, 6, 202; control of settlement conditions, 6, 122, 128, 134, 141, 142, 169, 171, 174, 200, 213-215; control of storage conditions, 6, 156, 169; control of supply of goods, 221; furnishing of information, 4, 5, 94, 118, 141, 144, 149, 157, 162. 236; licensing of warehouses, 6, 156, 169; liquidity of assets, 144; price determination, 5, 94, 95, 118, 144, 145, 175, 200, 204, 205, 206, 209, 210, 212; price insurance, 1-4, 19, 25; promotion of uniform standards, 131, 145, 157; quotations, 5, 6; resistance of bucket shops, 43; stabilization of the market, 54, 125, 132. See also Hedging and Arbitraging and Grading of

Products.

Federal Farm Board; in relation to the live stock market, 166; its effects, 67-73, 75, 77, 78; its experimental nature, 58, 59, 62; its methods, 67-73; its purpose, 57, 63; its scope, 57, 63, 64. See also Agricultural Marketing Act.

Forestalling; see Cornering.

Future Trading; attempted prohibition of, 47–49; function of, 2, 65, 224; in hogs, 165; legality of, 41, 45, 210, 211, 221, 224; on New York Cocoa Exchange, 141; on New York Coffee and Sugar Exchange, 113; opposed by farmers, 47; origin of, in cotton, 23, 24; research regarding, 54. See also Hedging and Speculation and Speculators. Grading of Products; burlap, 159; butter, 133; coal, 188–190; cocoa, 141; coffee, 114, 115; copper, 129, 206; cotton, 26, 27, 30–32, 198; cottonseed, 175; cottonseed meal, 174; cottonseed oil, 169, 171; eggs, 133; grain, 292–204; hides, 156; lumber, 184–186; oil, crude, 193, 194; oil products, 194, 195; potatoes, 133; rice, 227; rubber, 121; silk, raw, 146, 147, 227; sugar, 114, 115, 227; tin, 128, 206; wine, 236; wool, 179, 180; yarn, cotton, 227.

Hedging; as affected by "basis," or cash-future spread, 27–30, 37, 79–82, 148; as affecting prices, 96; bankers' indorsement of, 4, 20, 117, 125, 144; explanation of, 3, 7, 24, 25, 123–125, 143, 144, 152; extent of, 9–11; history of, 9; in butter, 134; in cotton, 24–38, 199; in cotton-seed and cottonseed meal, 175; in grain, 9–22; in hides, 152, 153; in raw silk, 149, 150; limitations of, 19, 25, 38, 117; necessity for, 34, 35; operation of, 11–22; value of, 3, 4, 7, 8, 19, 20, 22, 24, 25, 117, 123, 125. See also Speculation and Speculators and Future Trading.

Legislation; affecting bucket shops, 41-47; affeeting commodity exchanges, 39-42, 45-55, 208-211, 218, 221, 225, 226, 230, 231; affecting cottonseed oil (Tariff Act of 1921), 170; affecting rubber (Stevenson Restriction Plan), 120; Arbitration Act of 1886 (England), 203: Cotton Futures Act, 49, 50; Exchange Act of 1922 (Japan), 226; Exchange Tax Act (Japan), 230; Future Trading Act, 50; Grain Futures Act, 51-55; Packers and Stockyards Act (1921), 165, 166; Revised Exchange Act of 1882 (Japan), 231; Rice Exchange Act of 1876 (Japan), 225; United States Food Control Act, 50; United States Grain Standards Act, 49, 50; United States Warehouse Act, 49, 50. See also Agricultural Marketing Act.

Margins; legality of, 42; on German exchanges, 212; on Japanese exchanges, 230; on Liverpool Corn Trade Association, 204; required in the provisions market, 139; varieties of, 104-107. See also Clearing Houses.

Market Fluctuations, 1, 2, 4, 29, 34, 75, 76, 110; factors affecting, 91-99, 152, 206; in hides, 151; in rubber, 120; regulation of, 113, 175, 206,

221; serious, in Japan, 230.

Markets, Unorganized; coal, bituminous, 186-190; coffee (Italy), 237; hemp (Italy), 236; lumber, 182-186; petroleum, 190-195; sugar (Italy), 237; timber (Italy), 237; wool, 178-182.

Southern Delivery, 38.
Speculation and Speculators; as affecting

4

"basis," 33-35, 90; as affecting prices, 96-98; as allied with gambling, 40-46, 221, 231; future trading independent of, 25; in "call" cotton, 35-37; in hides, 153; in Japan, 225, 226, 227, 230-233; in raw silk, 149, 150; necessity

133:

115:

198:

cot-

204:

193, ice, 127; 136;

ing 17, 25, in

n-12; 15; 0,

F-

g

for, 1, 3, 125, 141, 222; operation of, 8, 9, 44, 65, 66; restraint of, in france, 221, 222; scalpers, 96; value of, 5, 25, 65. See also Hedging and Future Trading.

A SCHOOL STANDARD

.

Squeezing; see Cornering.

# INDEX TO NAMES

Armour, Philip, 66 Arnold, Benjamin G., 111 Ashley, 189

Bernhard, Georg, 223 Boyle, James E., 158, 167, 173 Brunn, E. M., 110 Butler, Hugh, 206 Butterworth, 48

Canalizo, Eugene A., 140 Chapman, S. J., 206 Chtton, Fred H., 136 Cohn, 233 Cox, A. B., 207 Cunningham, William, 40

Davis, Joseph S., 56 Dewey, T. Henry, 41 Dowling, S. W., 207

Edward I, 40 Emery, H. C., 40, 47, 48 Evans, Frank, 20

Forrester, R. B., 196 Fuchs, 230

Gilman, S. P., 46 Gresham, 196

Harris, Siebel C., 74 Hill, John, Jr., 48 Hirschstein, Hans, 208 Hoffman, G. Wright, 7, 9, 39, 91, 92 Hoover, Herbert, 182 Hubbard, W. Hustace, 3, 23, 87 Huebner, S. S., 1 Hutchinson, 66

Ise, John, 190, 192 Iura, Sentaro, 223

James, F. Cyril, 218 Julian, John L., 119 Kantrowitz, 233 Killough, H. B., 92 Koenig, A. B., 181 Korndorfer, Alfred H., 146 Kulp, C. A., 176

Lavergne, A. de, 218 Leiter, Joseph, 66 Loman, H. J., 100

McKendrew, E. L., 151 Myers, Abram F., 193

Partridge, 66 Pearson, F. A., 94 Phillips, 66 Phillips, Louise, 48 Porri, Vincenzo, 234

Reitler, Ivan, 127

Sano, Zensaku, 223, 232 Scholz, Karl W., 208 Shepperson, 89 Smith, B. B., 92 Smith, J. G., 207 Spurr, 177 Stevens, A. C., 9, 40, 48 Stevens, W. H. S., 79, 80, 81, 82, 89, 90 Stucchy, 236 Sturtevant, C. D., 65

Taeuber, 230 Taylor, C. H., 9 Tenny, Lloyd S., 133 Titford, S. H., 207

Vittorini, D., 234

Warren, G. F., 94 Weyerhaeuser, 183 Wilson, Charles A., 161 Wormser, 177

Erratum. Page 148, line 4, "differences and shilling or disputes" should read "differences and/or disputes."



# INDEX TO SUBJECTS

Administrative Problems, 8, 13, 14, 23, 54, 55, 78; adjustments, necessity for, 108, 139; adjustments, provision for, 110-122; as affected by politics, 30, 51, 67, 109, 143, 148, 176, 177, 205, 207; boards of adjustment and appeal, 30, 37, 45, 65, 109-111, 113-118, 122, 196, 199; changes, unwarranted, 140, 142, 177, 199, 205, 206; exceptions, 22, 23, 30, 65-67, 73; in the county, 127, 128; simplified by community plan, 33, 94.

Esthetic Values; appreciation of, needed, 193; contrasted with utilitarian values, 172, 173; in cities, 190; protection of, 57, 159, 160, 162, 164, 165, 170, 191; recognized in England, 192.

See also Architecture.

Architecture; control of, 160–165, 172, 191 (in England, 192); design, 150, 163, 193; economic loss occasioned by poor, 160, 188; height of buildings, 11, 42, 45, 64, 70, 145, 146, 190; of business and industrial buildings, 169, 170. See also Æsthetic Values.

Aviation; as affected by zoning, 45, 46, 197; protection of, 46; regulation of, 43-46.

Bibliography, 213-227.

Business and Industry; as affected by the automobile, 103; designing of lots and buildings, 169, 170; distribution of, 102, 103, 110; overzoning of property for business, 102–104, 110, 173, 174; planning for, 72, 84, 86–88, 101–104; proportion of business to population, 102, 174; protection of, 15, 28, 29, 31–33, 63; underzoning for business use, 176; working conditions controlled by zoning, 166, 167. See also Architecture.

California Planning Act, 200; enablements of,

52, 57, 59; its provisions, 47, 50.

City Planning and Zoning, 83-94, 98, 105-107, 149-151, 178-189, 202; as affecting public buildings, 88, 92, 186, 187, 191, 192; importance of, 181, 188, 189; mistakes in, 50-52; possibilities of, 211, 212; theory of, 146, 178-181; use of maps in, 178.

Classification of Property, 12, 34, 35, 53, 55, 63,

74-79, 82, 134, 135, 138.

County Development; changes in, 123; in various states, 134-136, 200; legal aspect of, 128-134; planning for, 124-128, 136; problems of, 124, 127, 128. See also County Zoning in California.

County Zoning in California, 47-59, 194-196; as affected by population density, 48; authorization of, 47; early efforts toward, 49; extent of, 50; its advantages over city zoning, 51-54; need for, 48, 40; regional aspect of, 55, 56. See also County Development.

Court Attitudes, 16, 65, 67, 104, 151; as reflecting public opinion, 8; toward æsthetic values, 162, 190; toward county zoning, 130, 134; toward legislative bodies, 23, 24, 40.

Enabling Acts, 12, 48, 50; powers conferred by, 60, 61; procedure prescribed by, 60; provisions of, 69.

Environment; as affecting human welfare, 96–100, 131, 185; desire for good, 99, 100, 123, 124, 137, 159, 170.

Land Uses, Rural; analysis of, 56, 57, 59; changes in, 123; in various states, 134–136; regulation of, 58, 107, 124–128.

Legal Citations, 12, 13, 15–32, 37–40, 44, 45, 48, 49, 54, 60–62, 65, 129–131, 136, 162, 190, 191. Legal Decisions, 16–32, 37–40, 48, 49, 54, 129–

133, 136, 162, 191, 197.

Legal Regulations; for protection of scenic values, 57; of airports, 46, 197; of area, 11, 27, 29, 30, 58, 64, 107, 138, 151, 163, 166-171, 180, 198, 199; of billboards, 29, 197, 200; of height, 11, 22, 27, 29, 30, 42, 64, 95, 138, 151, 163, 166-171, 180, 198; of highways, 55, 58, 83-85; of institutions, 36; of open spaces, 70, 71, 105-107, 169-171, 185, 186, 198; of property uses, 8-10, 15, 22, 27, 30-32, 34-39, 55, 58, 76, 77, 107, 138, 151, 163, 173, 174, 176, 177, 180, 196, 197; of roadside land uses, 29, 57; of streets, 167; of subdivision, 57, 58, 183-185; of volume, 63, 64, 198; of working conditions, 166, 167; racial discrimination unconstitutional, 29; to provide access of light and air, 29, 64, 105, 106, 166, 167, 169, 170, 197; underlying causes for, 2-7, 15, 16, 33, 137, 138; unification of, 152. See also Ordinances and Zoning.

Legislative Power; scope of, 17, 19, 22-29.

Maps, 11, 34, 35; designation of zones on, 74-82; necessity for, 67-69; required by California Subdivision Map Act, 58; use of, in city planning, 178; varieties of, 70-72.

Nuisances, 15, 16, 20, 31, 32, 37, 44.

Ordinances; analysis of, 60-68; changes and adjustments in, 108-122; comprehensive character of, 11, 27, 94, 104, 136, 188, 208; lacking in sesthetic standards, 191; preliminary procedure, 62, 65, 69-73; provisions of, 63, 65,

67; public hearings on, 66, 72, 108; scope of, 61, 62; study needed in preparation of, 69-72, 80, 84, 88, 94, 104, 109, 125, 176, 177; violation of, 65. See also Legal Regulations and

, by Jurisdiction; Arkansas, 20; Boston, 22; Indianapolis, 22; Los Angeles, 12, 22, 30, 66, 67; Modesto, 9, 19; New York, 11, 22, 34; St. Louis, 19; San Francisco, 18; Toronto, 22; various, 37-39, 49; Washington, D. C., 22.

Police Power; exercise of, in zoning, 7, 8, 10, 15, 16, 65, 107; exercise of, regarding aviation, 44; scope of, 15, 17, 27, 29.

Population; as affected by the automobile, 100,

103; density regulated by zoning, 64, 70, 137, 138, 169, 171; distribution of, 48, 145; suburban trend, 123, 124, 149, 170; trends as affected by industrial changes, 4-7; urban trend, 2, 7, 210,

Property Rights; as affected by airports, 197; as affected by zoning, 8, 24-26, 28-31, 39, 109, 139-141, 203, 204; in the air, 43, 44.

Public Institutions; exclusion of, 35-39; objections to, 34; protection of, 28, 36-39; state distribution of, 36.

Public Utilities; as affected by zoning, 154, 156-158, 208-210; changes in, 155-158; designing of, 155, 158; financed by citizens, 154; in relation to city planning, 187, 188; necessity for, 155.

Residential Sections; as affected by churches, 34; as affected by humanitarian institutions, 34-39; as affected by schools, 34; living conditions in, 29, 166, 167, 198; planning of, 88-90, 100, 107, 170, 171, 197; protection of, 12, 15, 23, 24, 27, 28, 49, 101, 107; unprotected in country, 124.

Symbols; standardization of, 63, 74-82.

Zoning, æsthetic aspect of, 190, 192; as affecting property values, 40, 67, 68, 71, 73, 102, 103, 141, 172-176, 188, 203, 207, 208, 210; as assisting public administration, 202, 203; authority for, 61, 62; beginnings of, 9, 17, 20; definition of, 15, 83, 153, 180; for future requirements, 52-54, 71, 94, 108, 124, 137, 138, 149, 150, 155-158, 178-180, 183, 184, 200, 209, 211; for the public good, 68, 94-97, 100, 209; functions of, 147, 148, 209, 210; fundamental elements of, 194; growth of, 194, 203; history of, 1-14, 196, 202; imperfections of, 15, 32, 33, 40, 51, 52, 102-104, 109, 125, 151, 194, 195, 208, 209; in relation to airports, 45, 46; in relation to taxation, 36, 40-42, 95, 103, 141-144, 197; individual contributions to, 10, 11, 95; its negative aspect, 95, 190; legal validity of, 7, 8, 13, 19-29, 35, 40; limited by existing conditions, 52, 53, 95, 106, 108, 138, 139, 148, 151, 166, 179, 180, 200; misuse of, 35, 67, 69, 176, 177; of undeveloped territory, 7, 23, 52, 54, 83-94, 124-126, 138, 149; public attitudes toward, 8, 52, 67, 126, 128, 139, 140, 172, 173, 176, 177, 189, 194, 203-206; purpose of, 15, 40, 95, 137, 138, 172, 173, 203; regional, 3, 4, 14, 29, 55-59, 98, 100, 148, 149, 200, 201; scope of, 15; state, 14, 98, 100, 104; theory of, 204, 205. See also Legal Regulations and Ordinances and County Zoning in California.

Zoning Bases; block development, 149, 150, 185; load on land, 11, 64, 137, 138, 166-171; physical improvements, 149, 166, 170, 185, 186; property use, 83-94, 143, 154; public utilities, 137, 154-158, 187, 188, 208, 209; street systems, 149, 150, 157, 167, 182, 185; traffic, 187, 150,

151, 157, 167, 168, 181.

### INDEX TO NAMES

Adickes, 202 Alexander, George, 24 Aronovici, Carol, 145 Atwood, Albert W., 159

Baker, 29
Baker, Donald M., 137
Baker, Newton D., 132
Bancroft, 17
Bartholomew, Harland, 101
Bassett, Edward M., 11, 25, 29, 30, 34, 95
Black, Russell VanNest, 190
Hordner, J. S., 97
Botero, 148
Burgess, Ernest W., 146

Calkins, E. E., 159 Cheney, Charles H., 159, 162 Coy, Owen C., 56 Crane, Jacob L., 194 Culver, Harry H., 207

Delano, Frederic A., 40 Diggs, Charles H., 83 Douglas, Paul, 149

Einstein, Albert, 10

Ferris, Hugh, 145

Goodrich, Ernest P., 166 Gries, John M., 178

Hadacheck, J. C., 24, 25 Hang Kie, 19 Hegemann, 160 Heiligenthal, R., 162 Hinman, Albert G., 125 Hittell, 18 Hoover, Herbert, 12 Horner, W. W., 154 Hubbard, Henry V., 48

Judson, 16

Le Corbusier, 145 Lennon, Justice, 136 Lilienberg, A., 162

Metzenbaum, 30
McClintock, Miller, 43
McKenna, Justice, 25
McNamara, Katherine, 213
McNitt, Rollin L., 191
Mill, John Stuart, 205
Mills, Earl O., 69
Munro, William B., 202
Musil, F., 162

Peets, 160 Peter, H., 162 Pollard, W. L., 8, 9, 15, 60 Pomeroy, Hugh R., 47

Root, Elihu, 126 Root, Irving C., 135

Schmutz, George LeRoy, 172 Simmel, Georg, 146 Sombart, Werner, 149 Spengler, Oswald, 146 Stephens, Albert Lee, 10 Sutherland, Justice, 26, 40, 129, 133

Thornton, Justice, 20 Tilton, L. Deming, 123

Unwin, Raymond, 160

Whitnall, C. B., 95 Whitnall, Gordon, 1 Whitten, Robert, 105 Wicks, Moye, 97 Williams, Frank B., 11, 22, 25, 29, 30, 43, 83, 162 Williamson, A. E., 63, 74 Williamson, C. J. S., 108

Yick Wo, 18 Young, Frank L., 37